

Product datasheet for RN201799

Mpi (NM_001004081) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpi (NM_001004081) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mpi
Synonyms:	MGC94106
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201799 representing NM_001004081 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGAATCCGCGAGTGTCCCACTTCTCTGTGTGGTGCAGCAGTATGCCTGGGGGAAGGTGGGCTCCA
AAAGTGAAGTGGCATGCCTACTGGCTTGCAGTGACCCACTGACCCAGATCTCAGAGGACAAGCCTTATGC
GGAGCTGTGGATGGGGGCACACCCCGGGGAGATGCCAAGATCCTTGACAACCGTATTTCCAAAAGACC
TTAGGCCAGTGGATTGCTGAGAACCAGAACAGCTTAGGCCAAAAGGTCAAAGACACCTTTAACGGAAAGC
TGCCCTTCTCTTCAAAGTGCTCTCAGTGGAAACGGCCCTGTCTATCCAGGCACACCCCTAACAAAGGAGCT
GGCAGAGAAGCTGCACCTTCAGGCTCCAGAGCACTACCCCGATGCCAACCACAAGCCAGAAATGGCCATT
GCCCTTACACCCTTCAAAGGCTTGTGTGGTTTCCGGCCAGTGGAGGAGATTGTGACCTTTCTGAAGAAGG
TGCCTGAGTTCAGTCACTGATTGGAGAGGATGCCACAGCACAGCTGAAGAAGAGCATGAATGAGGGTTC
TGGGGCCATGGCCTCTGCTCTGAAGAACTGCTTTCCACCTGATGAAGAGTGAAGAAGGTGGTGGT
GAGCAGCTAACCTGTTGGTAAACGGATCTCCAGCAAATATCTAACGGAAACAGCATGGATGACATTT
GTGGGGAGCTCTTGCTACAGCTGCACCAGCAGTACCCGGGTGATATCGGATGTTTTCGCCATCTACCTCCT
GAACCTGATCACCTTGAAGCCTGGGGAAGCCATGTTTCTGGAGGCCAACGTGCCCATGCCATACCTGAAG
GGAGACTGCGTGGAATGCATGGCATGTTCCAGACAATACCGTGCCTGCTGGCCTGACACCCAAATTCATTG
ATGTGTCAACCCTGTGTGAAATGCTCGACTACACACCTAGCCCCAGCAAAGACAGACTGTTTGCACCAAC
ACTGAGTCAAGATGACCCTACCTCTCTATCTACGATCCCCCTGTGCCAGACTTCACAGTTATGAAGATA
GAGGTCCCTGGCTCCGCTCACTGAATACAAAGTCTTGACACTAGACTCTGCCAGCATCCTTCTGTTGGTCC
AAGGGACAGTGACAGCTATCATACCTTCAGTCCAAGGAGAAATCCCTCTGTCCCCTGGTGGAGTGCTCTT
CATTGGGGCCAATGAGACTGTCTACTGAAGCTTACCGTACCAAAGAATCTGCTGATATCCGGGCTGC
TGCTGCTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001004081
Insert Size:	1272 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001004081.1</u> , <u>NP_001004081.1</u>
RefSeq Size:	1420 bp
RefSeq ORF:	1272 bp
Locus ID:	300741
UniProt ID:	<u>Q68FX1</u>
Cytogenetics:	8q24
Gene Summary:	Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions.[UniProtKB/Swiss-Prot Function]